

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Gustafsson *et al.*

Confirmation No: 5349

Application No.: 10/566,954

Art Unit: 1631

Filed: January 31, 2006

Examiner: Michael L. Borin

For: SYSTEMS AND METHODS FOR  
ANTIBODY ENGINEERING

Attorney Docket: 11548-003-999

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed February 18, 2009 in connection with the above identified patent application, please enter the following amendments and consider the following remarks.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks** begin on page 18 of this paper.

**Appendix A** which includes a courtesy copy of Liao *et al.*, 2007, "Engineering proteinase K using machine learning and synthetic genes", BMC Biotechnology 7, 16, follows page 29 of this paper.